

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Levee District No. 0002 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	03/12/2020 03/12/2020	Makar Sokol

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_17				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	M	Issue No.	18
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_18				
Comment Code					
Inspector Comment					
Recommend taking flood fight training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Glenn County Sacramento River	Right	4.90	03/12/2020 03/12/2020	Makar Sokol

LM Start	0.07	Rating **	M	Issue No.	6
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.414649 °	39.417689 °
				-122.009853 °	-122.010369 °
DWR ID	DWR_ST0010_02_f_2022_4				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 164.7 R					
Status: Eroding					
2017 Field Notes: New erosion along entire site.					
Site History: 2009 - Very slow retreat, hard toe, encroaching into the levee projection. 2010 - Slowly eroding. 2011 - Site extended downstream.					

Photo 1 of 2 : SP_2020_LD0002_28_6_20200226_00003.jpg



USACE 2013 Photo #1

LM Start	0.07	Rating **	M	Issue No.	6 (cont)
LM End	0.28	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2020_LD0002_28_6_20200226_00004.jpg



USACE 2013 Photo #2

LM Start	0.33	Rating **	M	Issue No.	25
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.418292 °	39.421986 °
				-122.010933 °	-122.011589 °
DWR ID	DWR_LD0002_01_s_2020_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	03/12/2020 03/12/2020	Makar Sokol

LM Start	0.64	Rating **	M	Issue No.	35
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.422805 °	39.424597 °
				-122.011640 °	-122.011527 °
DWR ID	DWR_LD0002_01_s_2018_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2020_LD0002_28_35_20200226_00016.jpg



View of the vegetation along the waterside slope.

LM Start	1.25	Rating **	N	Issue No.	31
LM End	1.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.431524 °	39.431524 °
				-122.010790 °	-122.010790 °
DWR ID	DWR_LD0002_01_s _ 2019_31				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.40	Rating **	M	Issue No.	34
LM End	1.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.433809 °	39.433809 °
				-122.010814 °	-122.010814 °
DWR ID	DWR_LD0002_01_f_2016_34				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2020_LD0002_28_34_20200226_00015.jpg



View of a depression on the levee crown looking upstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	03/12/2020 03/12/2020	Makar Sokol

LM Start	1.52	Rating **	U	Issue No.	15
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.435485 °	39.436643 °
				-122.010640 °	-122.010498 °
DWR ID	DWR_LD0002_01_f_2012_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_LD0002_28_15_20200226_00008.jpg



View of the rodent holes along the landside slope.

LM Start	1.63	Rating **	C	Issue No.	24
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.437072 °	39.437072 °
				-122.010469 °	-122.010469 °
DWR ID	DWR_LD0002_01_f_2019_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.01	Rating **	N	Issue No.	41
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.441698 °	39.441698 °
				-122.012794 °	-122.012794 °
DWR ID	DWR_LD0002_01_s_2019_41				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee District No. 0002 (Glenn County)

No Photos

View of the rodent holes along the landside slope.

View of rodent activity on the landside slope. Fall 2019.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	03/12/2020 03/12/2020	Makar Sokol

LM Start	3.24	Rating **	U	Issue No.	16
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.456222 °	39.456272 °
				-122.011266 °	-122.010163 °
DWR ID	DWR_LD0002_01_f_2012_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2020_LD0002_28_16_20200226_00009.jpg



View of the rodent holes along the landside slope. Spring 2019.

LM Start	3.24	Rating **	U	Issue No.	16 (cont)
LM End	3.30	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2020_LD0002_28_16_20200226_00010.jpg



Another view of the rodent holes along the landside slope. Spring 2019.

LM Start	3.40	Rating **	M	Issue No.	47
LM End	3.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.457095 °	39.457095 °
				-122.009469 °	-122.009469 °
DWR ID	DWR_LD0002_01_s_2019_47				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The berry vines should be removed from the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Glenn County Sacramento River	Right	4.90	03/12/2020 03/12/2020	Makar Sokol

LM Start	3.44	Rating **	U	Issue No.	27
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.457692 °	39.459305 °
				-122.009517 °	-122.010511 °
DWR ID	DWR_LD0002_01_s_2014_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2020_LD0002_28_27_20200226_00011.jpg



View of the rodent holes along the landside slope.

LM Start	3.44	Rating **	U	Issue No.	27 (cont)
LM End	3.57	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2020_LD0002_28_27_20200226_00012.jpg



View of the rodent activity along the landside slope.

LM Start	3.72	Rating **	C	Issue No.	49
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.461298 °	39.461298 °
				-122.011430 °	-122.011430 °
DWR ID	DWR_LD0002_01_s_2019_49				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Glenn County Sacramento River	Right	4.90	03/12/2020 03/12/2020	Makar Sokol

LM Start	4.61	Rating **	N	Issue No.	54
LM End	4.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.473414 °	39.473414 °
				-122.015340 °	-122.015340 °
DWR ID	DWR_LD0002_01_s_2019_54				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.64	Rating **	N	Issue No.	55
LM End	4.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.473680 °	39.473680 °
				-122.015618 °	-122.015618 °
DWR ID	DWR_LD0002_01_s_2019_55				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.90	Rating **	M	Issue No.	57
LM End	4.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.477096 °	39.477096 °
				-122.017607 °	-122.017607 °
DWR ID	DWR_LD0002_01_s_2019_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2020_LD0002_28_57_20200312_00053.jpg



View of the tree and branches on the waterside slope. Spring 2020.

*** Location**
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CR : Crown

**** Rating**
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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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